

**AMENDMENTS TO THE CLAIMS:**

Please amend the claims below as follows.

1. (currently amended) A polynucleotide ~~comprising of a first polynucleotide comprising~~ encoding an immunostimulatory factor that is differentially expressed in an antigen presenting cell ~~and comprising or corresponding to a tag shown in Table 1 or its complement~~, wherein the first polynucleotide encodes a factor selected from the group consisting of PARC, TARC, monocyte chemoattractant protein-4 (M[[D]]CP-4), MDC, e[[s]]cal[[a]]ectin, MCP-2, eotaxin 3, or biologically active fragments thereof.
2. (currently amended) The polynucleotide of claim [[1]] 13 further comprising a first and second promoter, wherein the first and second polynucleotides are under the transcriptional control of the first and second promoters, respectively.
3. (currently amended) The polynucleotide of claim [[1]] 13 further comprising a ~~first and second~~ single promoter, wherein the first and second polynucleotides are under the transcriptional control of the single promoter.
4. (original) A gene delivery vehicle comprising a polynucleotide of claim 1.
5. (original) A host cell that comprises a polynucleotide of claim 1.
6. (original) An array of probes comprising a polynucleotide of claim 1 bound to a chip.
7. (currently amended) A polynucleotide comprising a first polynucleotide ~~comprising~~ encoding an immunostimulatory factor that is differentially expressed in an antigen presenting cell ~~and comprising or corresponding to a tag shown in Table 1~~ and a second polynucleotide that modulates the expression of the first polynucleotide, wherein the first polynucleotide encodes PARC, TARC, monocyte chemoattractant protein-4 (MDP-4), MDC, e[[s]]calectin, MCP-2, eotaxin 3, or biologically active fragments thereof.

8. (currently amended) A polynucleotide of claim 7, ~~wherein said second polynucleotide modulates the expression of a third polynucleotide which encodes an immunostimulatory factor that is differentially expressed in an antigen presenting cell, wherein the third polynucleotide comprises or corresponds to a tag shown in Table 1~~ further comprising a polynucleotide encoding an antigen.

9. (currently amended) A gene delivery vehicle comprising the polynucleotides of claim 7 or 8.

10. (currently amended) A host cell comprising the polynucleotides of claim 7 or 8.

11. (withdrawn) A method for inducing an immune response in a subject comprising administering an effective amount of the polynucleotide of claim 1, to the subject.

12. (withdrawn) A method of modulating the genotype of an antigen presenting cell, comprising introducing into the cell a polynucleotide of claim 1.

13. (new) The polynucleotide of claim 1 further comprising a second polynucleotide encoding for a tumor-associated antigen.

14. (new) A composition comprising the polynucleotide of claim 1 and a second, separate polynucleotide encoding a tumor-associated antigen.

15. (new) The composition of claim 14, wherein the separate polynucleotides are each under the transcriptional control of a promoter.

16. (new) The polynucleotide of claim 7 further comprising a second polynucleotide encoding for a tumor-associated antigen.

17. (new) A composition comprising the polynucleotide of claim 7 and a second, separate polynucleotide encoding a tumor-associated antigen.
18. (new) The composition of claim 17, wherein the separate polynucleotides are each under the transcriptional control of a promoter.
19. (new) A gene delivery vehicle comprising the composition of claim 13 or 14.
20. (new) A host cell that comprises the composition of claim 13 or 14.